

```

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##FORMAT=<ID=DP,Number=1,Type=Integer,Description="Approximate read depth (reads
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##FORMAT=<ID=F1R2,Number=R,Type=Integer,Description="Count of reads in F1R2 pair
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##FORMAT=<ID=GQ,Number=1,Type=Integer,Description="Genotype Quality">
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statistics to detect mate bias">
##FORMAT=<ID=PL,Number=G,Type=Integer,Description="Normalized, Phred-scaled
likelihoods for genotypes as defined in the VCF specification">
##FORMAT=<ID=PRI,Number=G,Type=Float,Description="Phred-scaled prior
probabilities for genotypes">
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information, where each unique ID within a given sample (but not across samples)
connects records within a phasing group">
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statistics which comprise the Fisher's Exact Test to detect strand bias">
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geb7b59c8, HashTableVersion: 9",CommandLineOptions="/opt/edico/bin/dragen --ht-
reference=/staging/tmp/suite_def/illumina-isi07/scratch/dragen_datasets/data/
vault/reference_genomes/Hsapiens/hg38/seq/hg38.fa --enable-performance-
monitoring=true --output-file-prefix=run_dragen-hg38-
alt_masked.graph.cnv.hla.rna_v3-suite10083942-stage1
--events-log-file=/staging/tmp/suite_def/prod/10083942/001_Run_DRAGEN_to_build_v
9_HT_on_ref_hg38_alt_masked_graph_cnv_hla_rna_v3/_application_debug/
dragen_events.csv
--output-directory=/staging/tmp/suite_def/prod/10083942/001_Run_DRAGEN_to_build_v
9_HT_on_ref_hg38_alt_masked_graph_cnv_hla_rna_v3/_application_output --ht-num-
threads=40 --build-hash-table=true --ht-build-rna-hashtable=true --enable-
cnv=true --ht-build-hla-hashtable=true
--ht-pop-alt-contigs=/illumina-isi07/scratch/dragen_datasets/data/vault/
reference_genomes/Hsapiens/hg38_32global_graph_resources/
32global.af.05_2mhc_tpo_siglec16.fasta.gz --ht-pop-alt-liftover=/illumina-
isi07/scratch/dragen_datasets/data/vault/reference_genomes/Hsapiens/
hg38_32global_graph_resources/32global.af.05_2mhc_tpo_siglec16.sam.gz --ht-pop-
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Hsapiens/hg38_32global_graph_resources/32global.af.05.sorted.vcf --ht-mask-
bed=/illumina-isi07/scratch/dragen_datasets/data/vault/reference_genomes/
Hsapiens/hg38_alt_masked_v3/hg38_v2_mask.plus_chr6_7442581-7443291_fix.bed">
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05.121.676",Date="Sat Nov 11 08:09:11 UTC 2023",CommandLineOptions="--dbsnp
GRCh38p14_dbSNP_build156_DRAGEN.vcf.gz --qc-cross-cont-vcf
sample_cross_contamination_resource_hg38.vcf.gz --enable-map-align true --
enable-map-align-output true --output-format CRAM --enable-duplicate-marking
true --enable-variant-caller true --vc-emit-ref-confidence GVCF --vc-enable-vcf-
output true --vc-ml-enable-recalibration true --enable-cnv true --cnv-
segmentation-mode SLM --enable-sv true --repeat-genotype-enable true --repeat-
genotype-use-catalog expanded --enable-smn true --enable-cyp2d6 true --enable-
cyp2b6 true --enable-gba true --enable-hla true --enable-star-allele true --
enable-cyp21a2 true --enable-hba true --enable-lpa true --enable-variant-
annotation true --variant-annotation-assembly GRCh38 --cnv-enable-self-

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normalization true --hla-enable-class-2 true --variant-annotation-data assembly
--force --lic-instance-id-location /opt/instance-identity --intermediate-
results-dir /scratch --logging-to-output-dir true --output-file-prefix
NG1V7Y7E1M --output-directory NG1V7Y7E1M --fastq-list fastq-list.csv --fastq-
list-sample-id NG1V7Y7E1M --ref-dir /scratch/hg38-alt_masked/DRAGEN/9">
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Depth">
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of alt reads at this locus does not meet the threshold of 20">
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mitochondrial contigs, the threshold is 0.02; for other chromosomes, the
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##FILTER=<ID=low_depth,Description="Somatic variants (alt or homref) at this

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